

**9th RISE Symposium (Research Insights in Semiarid Ecosystems)
Saturday, 13 October 2012**

Marley Building, Room 230

8:30-9:00	Registration	
9:00-9:05	Mitch McClaran and Susan Moran	RISE Welcome
9:05-9:15	Mark Heitlinger UA SRER	Educational outreach program at Santa Rita Experimental Range
9:15-9:25	Phil Heilman USDA ARS SWRC	Walnut Gulch Experimental Watershed and the Long-Term Agroecosystem Research (LTAR) Network
9:25-9:35	Don Falk UA SNRE	Fire, Climate, and Ecosystems in the Sky Island Bioregion
9:40-10:00	Valerie Trouet UA LTRR	Large-scale interactions of climate, fire and vegetation structure in the western US as observed through tree-rings
10:00-10:20	Guillermo Ponce Campos UA SWES	Vegetation response to extreme drought conditions
10:20-10:40	Steve DeLong B2 and UA DG	The Hills are Alive: Earth Surface Dynamics in the Biosphere 2 Landscape Evolution Observatory
10:45-11:00	Poster introductions	Poster abstracts presented by poster authors
11:00-1:00	Poster Session	Authors will be with their posters in the hall outside the conference room
12:00-1:00	Lunch w/ Posters	<i>Provided at the meeting; included in RISE registration fee</i>
1:05-1:15	Lindy Brigham SABCC	Buffelgrass Management: Data Requirements and Modeling Tools for Decision Making
1:15-1:35	Brandon Bestelmeyer USDA ARS JER	State and transition models as management tools: past, present, and future
1:35-1:45	Susan Wethington HMN	Hummingbird Monitoring Network and ongoing efforts in Florida Canyon on the Santa Rita Experimental Range
1:45-2:05	Laura Lopez- Hoffman UA SNRE	Transboundary migration of bats and the implications for managing ecosystem services across political borders
2:05-2:15	Poster Contest Awards	
2:15-2:45	Discussion	All speakers and poster authors in attendance

POSTERS (*=Undergraduate Poster Contestant, **=Graduate Poster Contestant)

P1	Kirk Astroth UA CALS	Mingus Springs 4-H Camp & Research Facility
P2	Dean Keller UA SNRE	Math, Ecology, & Authentic Field Research
P3	Bhaskar Mitra UA SNRE	Towards an Improved Understanding of Transpiration across the Critical Zone
P4	Jessica Swetish UA SNRE	Influence of Understory Greenness on Trace Gas and Energy Exchange in Forested Ecosystems
P5	Evan Kipnis* UA SNRE	Insights on Ecohydrological Controls of Phenological Events in <i>Larrea tridentate</i> through Continuous Monitoring using Digital Cameras
P6	Stephanie Bittner** ASU SLS	Breeding and Parental Care Behavior of the Rufous-Winged Sparrow on the Santa Rita Experimental Range
P7	Kelsey Hawkes* UA SNRE	Amount but not Spatial Arrangement of Perennial Grass Cover Differs between Grazed-Ungrazed Settings
P8	Amber Dalke** UA SNRE	Perennial Grass Biomass is related to Grazing Exclusion and Ecological Site, but not Mesquite Cover
P9	Nathan Pierce UA SNRE	Grass-Shrub Interactions in a Chihuahuan Desert Ecosystem: Can Vegetation Structure Predict State Changes?
P10	Calla McNamee** Univ Calgary	Soil Phytolith Assemblages and Historical Ecology: Using Phytolith Analysis to Investigate Vegetation Change in Arizona
P11	Michelle Coe* UA GEOG	The Equation of Dust: How Vegetation Characteristics Influence Dry-Land Dust Emissions
P12	Zulia Mayari Sanchez Mejia** UA SNRE	Quantifying the Influence of Deep Soil moisture on Ecosystem Albedo: the Role of Vegetation
P13	Maria Pilar Cendrero Mateo UA SWES	Steady-State Chlorophyll Fluorescence (Fs) as a Tool to Monitor Plant Drought Stress
P14	Haiyan Wei USDA ARS SWES	Spatial Scale of Drought on the Santa Rita Experimental Range
P15	Haiyan Wei USDA ARS SWES	Do Conservation Practices Influence Recovery from Drought?
P16	Shawn Stone UA SNRE	Grassland Revegetation for Mine Reclamation in Southeast Arizona
P17	Sapana Lohani** UA SNRE	Error Analysis of Ecological Site Maps in Southern Arizona
P18	Jelena Vukomanovic UA ALRS	Generalized Distance Effects of Houses and Road Networks on Ecological Processes in a Southeastern Arizona Grassland

RISE Organizing Committee:

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Undefined Acronyms:

ALRS: Arid Land Resources Sciences

ARS: Agricultural Research Service

ASU: Arizona State University

B2: Biosphere 2

CALS: College of Agriculture and Life Sciences

DG: Dept. of Geosciences

GEOG: Department of Geography and Planning

HMN: Hummingbird Monitoring Network

JER: Jornada Experimental Range

LTRR: Laboratory for Tree Ring Research

SABCC: Southern Arizona Buffelgrass Coordination Center

SNRE: School of Natural Resources and the Environment

SLS: School of Life Sciences

SRER: Santa Rita Experimental Range

SWES: Soil, Water, and Environmental Science

SWRC: Southwest Watershed Research Center

UA: University of Arizona

USDA: United States Department of Agriculture